Power projects in Tamil Nadu

1798: SHRI B.S. GNANADESIKAN: Will the Minister of POWER be pleased to state:

(a) the details of power projects and programmes being implemented and still pending, which were proposed during the Tenth Five Year Plan by Government, for development of power in Tamil Nadu;

(b) whether Government has proposed to formulate and implement more power projects during the Eleventh Five Year Plan in Southern States, especially in Tamil Nadu, since there has been huge power shortage recently;

(c) if so, the details thereof; and

(d) if not, the reasons therefor?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) The target for the 10th Plan for Tamil Nadu in terms of generation capacity addition was set as 1604MW. This included 5 thermal projects aggregating 1364 MW and 4 hydro projects aggregating 240 MW. In addition, 2 additional projects aggregating 172.6 MW were identified for commissioning during 10th Plan. Thus, including the additional projects, 11 projects having capacity of 1776.6 MW were under implementation during the 10th Plan. Out of these 11 projects, 8 generation projects having capacity of 1216.6 MW (comprising of 6 thermal projects aggregating 1036.6 MW and 2 hydro projects aggregating 180 MW) were commissioned during the 10th Plan. Remaining 3 projects *i.e.* Neyveli TPS-II Expansion (2x250 MW), Bhawani Barrage-II (30 MW) and Bhawani Barrage-III (30 MW) are under implementation and likely to fructify in the XI Plan.

(b) to (d) During the course of 11th Plan generation capacity addition to the tune of 14920 MW has been envisaged for Southern Region. Out of this 6252.2 MW is envisaged for Tamil Nadu. The details are given in Statement (*See* below).

In addition, according to information available with Central Electricity Authority, in the thermal segment Life Extension (LE) of Tuticorin TPP (3x210 MW) in State Sector and Renovation and Modernization (R&M)/LE of Ramagundem STPS (3x210 MW) in Central Sector in Tamil Nadu is envisaged to be completed in XI Plan; in respect of hydro segment, Renovation Modernization and Upgradation in respect of Mettur Dam (4x10 MW) and Periyyar (4x35 MW) has been envisaged to be completed in 2007-08 and 2009-10 respectively in the State sector.

Statement

List of Generation Projects envisaged for 11th Plan for Southern Region

Sl. No.	Plant Name	Agency	Ultimate Capacity (MW)	Fuel Type	Likely benefits 11th Plan (2007-12) (MW)	Likely year of benefit
1	2	3	4	5	6	7
	ANDHRA PRADESH					
	Central Sector					
1	**Simhadri-Ext.**	NTPC	1000	COAL	1000	2010-12
	SUB-TOTAL (A.P.)-Central Sector				1000	
	State and Private Sector					

1	2	3	4	5	6	7
1	Jurala Priyadarshni	APGENCO	234	HYDRO	234	2007-10
2	Nagarjuna Sagar TR	APGENCO	50	HYDRO	50	2009-10
3	Lower Jurala	APGENCO	240	HYDRO	240	2011-12
4	Pulichintala	APID	120	HYDRO	120	2011-12
5	Rayalseema U4	APGENCO	210	COAL	210	2007-08
6	Kakatiya	APGENCO	500	COAL	500	2009-10
7	Vijaywada TPP	APGENCO	500	COAL	500	2008-09
8	Kothagudem ST-VI	APGENCO	500	COAL	500	2009-10
9	Kakatiya Ext	APGENCO	500	COAL	500	2011-12
10	Rayalseema U5	APGENCO	210	COAL	210	2009-10
	Sub Total (AP)-State Sector				3064	
11	Konaseema	OAKWELL	445	GAS/LNG	445	2008-09
12	Gautami	GAUTAMI POW	464	GAS/LNG	464	2008-09
	Sub-Total (A.P.)-Private Sector				909	
	Total (A.P.)				4973	
	KARNATAKA					
	Central Sector					
1	Kaiga U-3	NPC	220	NUCLEAR	220	2007-08
2.	Kaiga U-4	NPC	220	NUCLEAR	220	2008-09
	Sub-Total (KAR)-Central Sector				440	
	State and Private Sector					
1	Varahi Ext	KPCL	230	HYDRO	230	2008-09
2	Bellary U1	KPCL	500	COAL	500	2007-08
3	Bellary U2	KPCL	500	COAL	500	2010-11
4	Raichur U8	KPCL	250	COAL	250	2009-10
	Sub-Total (Kar)-State Sector				1480	
5	Torangullu U1, 2	JINDAL	600	COAL	600	2009-10
6	Lanco Nagarjuna	NPCL-LANCO	1015	COAL	1015	2009-10
	Sub Total (Kar)-Private Sector				1615	
	Total (Karnataka)				3535	
	TAMIL NADU					
	Central Sector					
1	Ennore-JV	NTPC	1000	COAL	1000	2010-12
2	Neyveli-II LIG	NLC	500	LIGNITE	500	2008-10
3	Tuticorin JV	NLC	1000	COAL	1000	2011-12
4	Kudankulam U1, 2	NPC	2000	NUCLEAR	2000	2008-10
5	PFBR (Kalapakkam)	NPC	500	NUCLEAR	500	2010-11
	Sub-Total (T.N.)-Central Sector				5000	

1	2	3	4	5	6	7
	State and Private Sector					
1	Bhawani Barrage II and III	TNEB	60	HYDRO	60	2009-11
2	Valuthur Ext	TNEB	92	GAS/LNG	92.2	2007-08
3	North Chennai Ext.	TNEB	600	COAL	600	2011-12
4	Metiur Ext	TNEB	500	COAL	500	2011-12
	SUB-TOTAL (TN)-State Sector				1252.2	
	TOTAL (Tamil Nadu)				*6252.2*	
	KERALA					
1	Kutiyadi Ext.	KSEB	100	HYDRO	100	2008-09
2	Pallivasal	KSEB	60	HYDRO	60	2010-11
	TOTAL (Kerala)				160	
	TOTAL (Southern Region)				14920	

T and D losses

1799. SHRI D. RAJA: Will the Minister of POWER be pleased to state:

(a) whether it is a fact that Transmission and Distribution (T&D) losses have been rising alarmingly;

(b) if so, the details thereof, along with the reasons therefor;

(c) whether Government proposes to introduce some new technology to minimize the Transmission and Distribution losses; and

(d) if so, the details thereof?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) and (b) The draft report on Performance of State Power Utilities for the years 2004-05 to 2006-07 prepared by the Power Finance Corporation indicates that the Aggregate Technical and Commercial (AT&C) losses [which includes Transmission and Distribution (T&D) losses also] of the State Power Utilities at the national level for 2004-05, 2005-06 and 2006-07 were 34.33%, 34.54% and 32.07% respectively of the total energy available for sale. There has been an arrest in the increase of AT&C losses in the country. The reasons for losses include technical reasons such as overloading of existing lines and substation equipment, old and outdated network, low HT: LT ratio, poor repair and maintenance of equipment, non installation of sufficient capacitors, substandard, inefficient and poor quality distribution equipment, poor power factor of consumer end devices etc. as also commercial reasons such as defective meters, theft and pilferage, tampering of meters, low accountability of employees, poor metering efficiency, poor billing efficiency, non realization of dues etc.

(c) and (d) It is proposed to introduce a restructure Accelerated Power Development and Reforms Programme (APDRP) in the Eleventh Five Year Plan with focus on establishing baseline data of AT&C loss and IT enabled automated energy accounting systems, IT